

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning on page 9, line 1, as follows:

As shown in Fig. 3B, the field magnet 6 is magnetized at a magnetization pitch P to the first and second stages divided in the axial direction of its outer surface, hence S and N poles are alternately repeated in the circumferential direction at every stage. Each stage is divided with an equal length $H/2$ with respect to its axial size H , and the positions of the magnetic poles of the respective stages are shifted from each other by a shift amount α (electrical angle). As shown in Fig. 3B, boundaries between the S poles and the N poles are formed in a stepped shape in parallel with the axis of the rotating shaft.